PROJECT facts
U.S. Department of Energy
National Energy Research Laboratory

Materials and Advanced Metallurgical Research
11/2001

Aluminide Coatings for Power-Generation Applications

Project Lead
Tennessee Technological University
Cookville, TN

Description
During this three-year subcontract with Tennessee Technological University work will be undertaken for the fabrication, characterization and testing of aluminide coatings made on ferritic alloys such as Fe-9Cr-1Mo steels, which are being considered for use in advanced steam cycles. In addition, the influences of duty cycle length and operating temperature on the oxidation behavior of state-of-the-art bond coatings for fossil-fueled turbine engines shall be investigated.

Duration: 10/1/00 - 9/30/01

Product Support Areas

Gasification Technologies	Combustion Technologies	Sequestration	Environmental & Water Resources	Advanced Turbine & Engines	Fuel Cells
✓	✓			✓	

NETL

Project: FEAA011C
Code: TTU-1

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